



## REPLACEMENT SHEET 1/4

Coding sequence for the *cbh1* gene (SEQ ID NO: 4). Small case letters represent the signal sequence, large case letters the catalytic domain, bolded italics the linker region, and large case underlined the cellulose-binding domain.

atgtatcggaagttggccgtcatctcggccttcttggccacagctcgtgctCAGTCGGCCTGCACTCTCCAATCGGAACTCAC  
CCGCCTCTGACATGGCAGAAATGCTCGTCTGGTGGCACGTGCACTCAACAGACAGGCTCCGTG  
GTCATCGACGCCAACTGGCGCTGGACTCACGCTACGAACAGCAGCACGAACTGCTACGATGG  
CAACACTTGGAGCTCGACCCTATGTCCTGACAACGAGACCTGCGCGAAGAAGTCTGTCTGGA  
CGGTGCCGCCTACGCGTCCACGTACGGAGTTACCACGAGCGGTAACAGCCTCTCCATTGGCTT  
TGTCACCCAGTCTGCGCAGAAGAACGTTGGCGCTCGCCTTTACCTTATGGCGAGCGACACGAC  
CTACCAGGAATTCACCCTGCTTGGCAACGAGTTCTCTTTCGATGTTGATGTTTCGCAGCTGCCG  
TGCGGCTTGAACGGAGCTCTCTACTTCGTGTCCATGGACGCGGATGGTGGCGTGAGCAAGTAT  
CCCACCAACACCGCTGGCGCCAAGTACGGCACGGGGTACTGTGACAGCCAGTGTCCCCGCGA  
TCTGAAGTTCATCAATGGCCAGGCCAACGTTGAGGGCTGGGAGCCGTCATCCAACAACGCGA  
ACACGGGCATTGGAGGACACGGAAGCTGCTGCTCTGAGATGGATATCTGGGAGGCCAACTCC  
ATCTCCGAGGCTCTTACCCCCCACCCTTGCACGACTGTGCGCCAGGAGATCTGCGAGGGTGAT  
GGGTGCGGCGGAACCTTACTCCGATAACAGATATGGCGGCACTTGCATCCCGATGGCTGCGA  
CTGGAACCCATACCGCCTGGGCAACACCAGCTTCTACGGCCCTGGCTCAAGCTTTACCCTCGA  
TACCACCAAGAAATTGACCGTTGTACCCAGTTCGAGACGTCGGGTGCCATCAACCGATACTA  
TGTCCAGAATTGGCGTCACTTTCAGCAGCCCAACGCCGAGCTTGGTAGTTACTCTGGCAACGA  
GCTCAACGATGATTACTGCACAGCTGAGGAGGCAGAATTGCGCGGATCCTCTTTCTCAGACAA  
GGGCGGCCTGACTCAGTTCAAGAAGGCTACCTCTGGCGGCATGGTTCTGGTCATGAGTCTGTG  
GGATGATTACTACGCCAACATGCTGTGGCTGGACTCCACCTACCCGACAAACGAGACCTCCTC  
CACACCCGGTGCCGTGCGCGGAAGCTGCTCCACCAGCTCCGGTGTCCCTGCTCAGGTCGAATC  
TCAGTCTCCCAACGCCAAGGTCACCTTCTCCAACATCAAGTTCGGACCCATTGGCAGCACCGG  
CAACCCTAGCGGCGGCAACCCCTCCCGGCGGAAACCCGCCCTGGCACCACCACCACCCGCCGCC  
AGCCACTACCCTGGAAGCTCTCCCGGACCTACCCAGTCTCACTACGGCCAGTGCGGCGGTATT  
GGCTACAGCGGCCCCACGGTCTGCGCCAGCGGCACAACCTTGCCAGGTCCTGAACCCTTACTAC  
TCTCAGTGCCTGTAAAGCTCC

Figure 1



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REPLACEMENT SHEET 2/4

SDS-PAGE western blot using an anti-CBHI showing the reduction in molecular weight of rCBHI expression clones as a function of the introduction of N>A modifications.

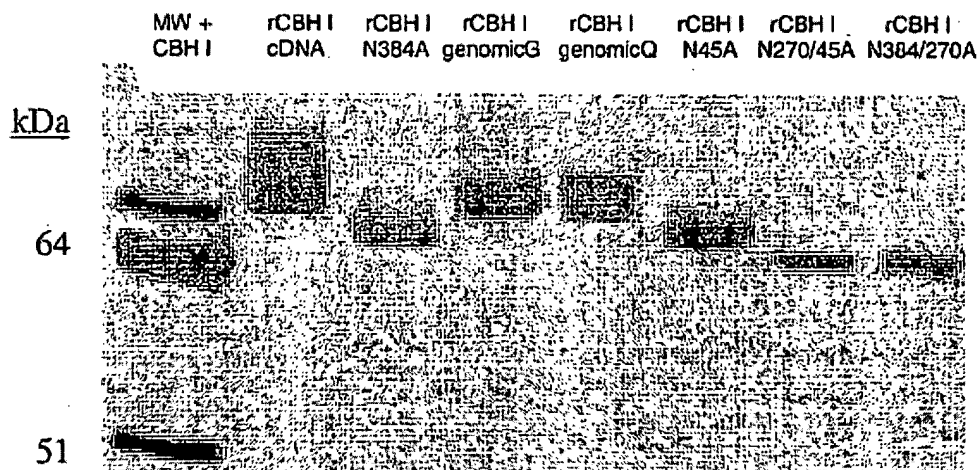


Figure 2



REPLACEMENT SHEET 3/4

Plasmid map of fungal expression vector pPFE2/CBH1

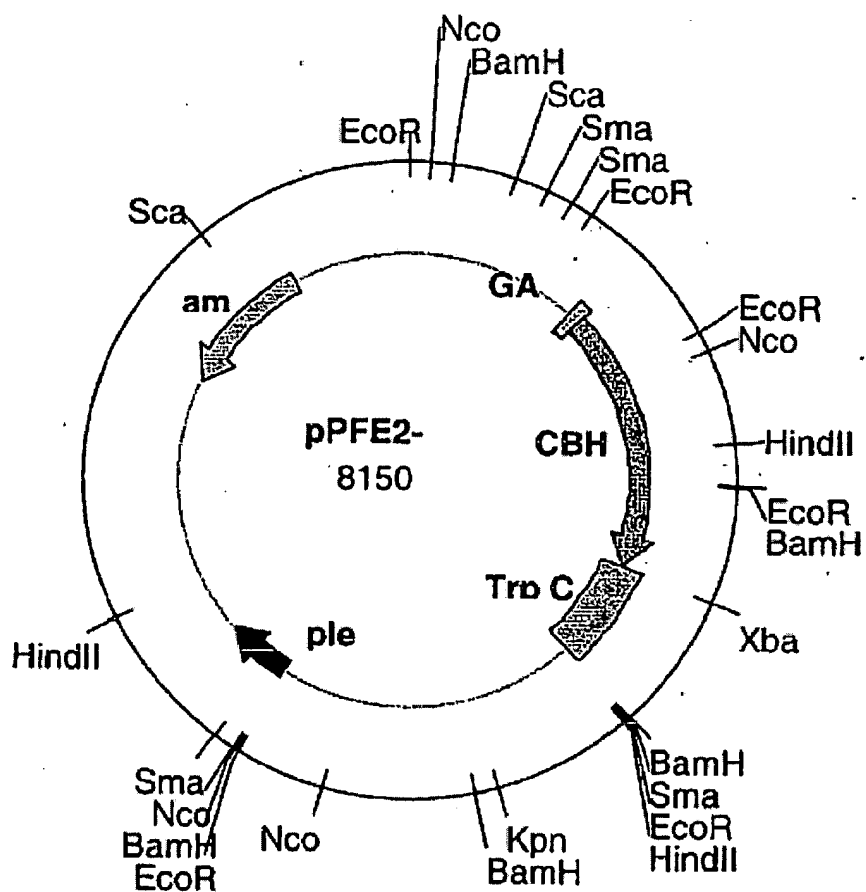


Figure 3



REPLACEMENT SHEET 4/4

Coding sequence, SEQ ID NO: 19, for the linker region of the *cbh1* gene, SEQ ID NO: 4, showing additional proline residues that effect conformation of the linker region in the protein structure.

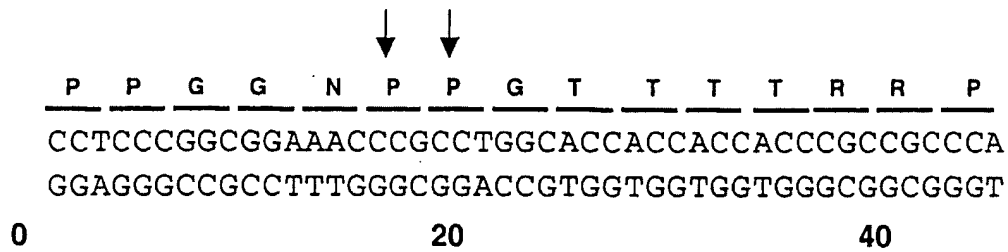


Figure 4